

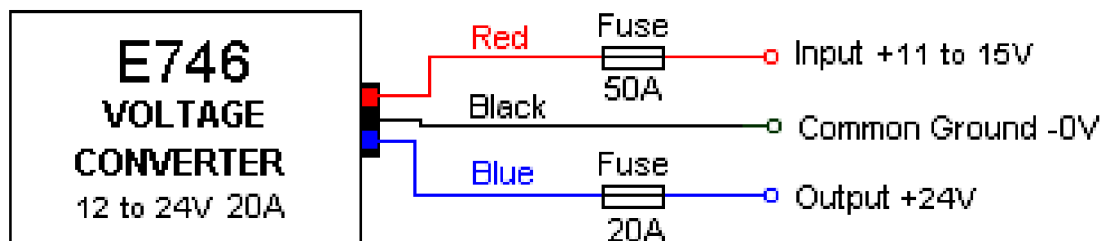
# E746 20AMP VOLTAGE CONVERTER 12V – 24V

12V – 24V VOLTAGE CONVERTER 20AMP  
HIGH SPECIFICATION  
MANUFACTURED IN THE UK

- PART NO: E746
- TYPE: SWITCH MODE STEP UP VOLTAGE CONVERTER
- RATING: 20 AMP
- MAX CONTINUOUS O/P CURRENT: 20 AMP
- PEAK OUTPUT CURRENT: 24 AMP
- INPUT VOLTAGE: 12 – 15V DC
- OUTPUT VOLTAGE: 24V DC
- OVERLOAD PROTECTION: EXTERNAL FUSE
- OUTPUT PROTECTED: EXTERNAL FUSE
- POLARITY PROTECTED: YES
- OPERATING TEMPERATURE: - 40 DEG.C TO + 70 DEG.C
- HIGH TEMP PROTECTED: YES
- SHORT CIRCUIT PROTECTION: EXTERNAL FUSE
- EFFICIENCY: > 85%
- LOAD REGULATION: 0.3V
- DIMENSIONS: 215mm X 100mm X 75mm
- FIXING CENTRES: 70mm X 200mm (4 HOLE FIXING)
- HOLE SIZE: 4.5mm
- WEIGHT: 1150g
- CONSTRUCTION: ANODISED COOLING PROFILE (TWIN)



MODELS ALSO AVAILABLE: 10AMP / 30AMP / 40AMP / 50AMP / 60AMP / 70AMP / 80AMP



**WARNING: SHORTING THE OUTPUT TO GROUND  
WHILST THERE IS POWER CONNECTED TO THE  
POWER INPUT WILL DAMAGE THE CONVERTER.**

**EURO MANUFACTURING AND MARKETING LIMITED**

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Web Site: [www.eurogroup-gb.com](http://www.eurogroup-gb.com) OR [www.battery-management-voltage-converter.com](http://www.battery-management-voltage-converter.com)

**BEFORE INSTALLATION YOU NEED TO PURCHASE:**

1 X 50A AUTOMOTIVE BLADE FUSE  
1 X 20A AUTOMOTIVE BLADE FUSE  
2 X INLINE FUSE HOLDER (TO TAKE BLADE FUSES)

**RECOMMENDED MINIMUM CABLES SIZES:**

INPUT (RED): 6mm<sup>2</sup> CONDUCTOR CROSS SECTION (84/0.3mm)  
OUTPUT (BLUE): 6mm<sup>2</sup> CONDUCTOR CROSS SECTION (84/0.3mm)  
GROUND (BLACK) ): 6mm<sup>2</sup> CONDUCTOR CROSS SECTION (84/0.3mm)

**INSTALLATION INSTRUCTIONS:**

1. CONNECT THE BLUE OUTPUT LEAD CONNECTION TO THE +VE CONNECTION ON YOUR 24V EQUIPMENT (FITTING 1 X INLINE FUSE HOLDER WITH 20A BLADE FUSE BETWEEN THE VOLTAGE CONVERTER AND THE 24V EQUIPMENT AS SHOWN ON WIRING DIAGRAM SUPPLIED WITH UNIT)
2. CONNECT THE BLACK LEAD CONNECTION TO GROUND, IE: THE VEHICLE CHASSIS (THIS IS COMMON TO THE INPUT AND OUTPUT AS SHOWN ON THE WIRING DIAGRAM)
3. CONNECT THE RED INPUT LEAD CONNECTION TO YOUR 12V +VE SUPPLY (FITTING 1 X INLINE FUSE HOLDER WITH 50A BLADE FUSE BETWEEN THE VOLTAGE CONVERTER AND THE +VE CONNECTION OF YOUR 12V SUPPLY AS SHOWN ON WIRING DIAGRAM SUPPLIED WITH UNIT)

IF IN DOUBT, PLEASE CONSULT AN AUTOMOTIVE ELECTRICIAN OR TELEPHONE US ON  
01939 235073

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**WHY NOT VISIT OUR WEBSITES TO VIEW THE OTHER PRODUCTS WE MANUFACTURE:**

<http://www.battery-management-voltage-converter.com>

This site covers our:

- Battery Management Systems
- Split Charge Controllers
- DC-DC Battery Chargers
- DC-DC Voltage Converters
- Trailer Voltage Converters
- Battery Status Indicators
- Voltage Sensitive Switches.

<http://www.eurogroup-gb.com>

This site covers our Range of:

- Water Level Monitors
- Water Level Probes
- Temperature Monitors
- Temperature Probes
- Air Conditioning Fan Control Units
- Vehicle Flashers and Interrupters
- Light Control Units
- Oil Level Monitors
- Oil Level Probes
- Hydraulic Control Units
- Audible Warning Devices
- Reversing Alarms
- Timers
- Vehicle Safety and Security Units
- Digital Speed Switches
- Solenoid Controllers
- Relays, Connectors, Lamps, Switches
- Earth Straps
- Looms and Wiring Harnesses
- Transformer and Coil Winding
- Mechanical Assembly
- Special Purpose Electrical / Electronic Assembly
- Encapsulation and Formal Coating
- Vacuum Formed Parts
- Printed Circuit Board Assembly

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